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Notice of Allowability	Application No.	Applicant(s)
	10/719,067	PRIL ET AL.
	Examiner	Art Unit
	Hung Henry V. Nguyen	2851
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	6 (OR REMAINS) CLOSED in this) or other appropriate communication is subjection is subjection in the subjection is subjection in the subjection is subjection in the subjecti	s application. If not included ation will be mailed in due course. THIS
1. This communication is responsive to 8/2/05.		
2. X The allowed claim(s) is/are <u>1-20</u> .		
3. \boxtimes The drawings filed on <u>11/24/2003</u> are accepted by the Exa	aminer.	
4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv 6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftsper: 1) hereto or 2) to Paper No./Mail Date Paper No./Mail Date	e been received. e been received in Application Note the been received in Application Note that communication to file a report of this application. In the communication to file a report	this national stage application from the this national stage application from the eply complying with the requirements WER'S AMENDMENT or NOTICE OF claration is deficient. TO-948) attached TO-948) attached TO-948 attached
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 8/2/05 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summ Paper No./Mail 08), 7. ☐ Examiner's Ame	Date
	. <u> </u>	probang
		HENRY HUNG NGUYEN

PRIMARY EXAMINER

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on August 2, 2005 has been entered.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on August 2, 2005 has been considered by the examiner.

Reasons for Allowance

- 3. The following is an examiner's statement of reasons for allowance:
- a. Claims 1-8 and 20 have been found to be allowable because while the prior art discloses a lithographic apparatus and corresponding method having a measuring interferometer for measuring position of at least one of the substrate and reticle and a second harmonic interferometer for adjusting measurements of the interferometer but the prior art either alone or in combination, neither discloses nor make obvious the combination of a lithographic projection apparatus and method comprising, among other elements, a second harmonic interferometer for

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measuring atmospheric conditions along an optical path, and a control system with specific functions, as recited in the instant claims of the present invention.

Claims 9-13 have been found to be allowable since the prior art of record either alone or in combination, neither discloses nor makes obvious the combination of a lithographic projection apparatus having among other features, a second harmonic interferometer with particular structures and functions, as recited in the instant claims.

Claims 14-19 have been found to be allowable since the prior art of record, either alone or in combination, neither discloses nor makes obvious the combination of a lithographic projection apparatus comprising: an interferometer, a second harmonic interferometer, a control system, along with a beam combiner having particular structure and functions, as recited in the instant claims of the present invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art Made of Record

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Pril et al (U.S.Pat. 6,747,729) is cited for its teachings of a lithography system having a displacement measuring interferometer and a second harmonic interferometer with specific

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operating wavelengths for adjusting measurements of the displacement measuring

interferometer.

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Hung Henry V. Nguyen whose telephone number is 571-272-

2124. The examiner can normally be reached on Monday-Friday (First Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Judy Nguyen can be reached on 571-272-2258. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hung Henry V Nguyen

Primary Examiner

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hvn 8/7/05